

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** June 9, 2005

**Inspector:** Diana Walden

**Location:** Norwalk Substation Expansion

**Storm/**

**Rain Event:** The areas received isolated storms throughout the week since the last inspection with 0.44" on 6/6 as the most in any one storm as reported by NOAA.

| Areas of Inspection                | Observation  | Recommended Action  |
|------------------------------------|--|---|
| Access Roads and Adjacent Roadways | <ul style="list-style-type: none"> <li>- Erosion at the base of the silt fence near the inlet near the Route 7 ramp has uncovered the base of the evergreen planting here. 5/13-6/09/05</li> <li>- Although vegetative cover has increased, some minor repair of erosion within the earthen swale may be necessary. 5/4-6/09/05</li> <li>- Grass growth continues to increase at the DOT disturbance area on the riverbank. It will continue to be monitored. 5/4-6/09/05</li> </ul> | <ul style="list-style-type: none"> <li>- The volume of water going to this inlet is causing erosion at the base of the silt fence. Soil should be placed here to cover up the exposed root ball of the planting. The area should be repaired/regraded. 5/26-6/09/05</li> <li>- Grass growth continues to increase here and will help to stabilize the area. Silt fence around the inlet could be removed if efforts to stabilize the area occur. 6/09/05</li> <li>- DOT's work is not associated with the project but is mentioned as a potential source of off-site sediment. It will be monitored for stabilization. 6/09/05</li> </ul> |
| Foundation construction            | <ul style="list-style-type: none"> <li>- Soil from the stockpile was being used in front of the GIS building for backfill. 6/01-6/09/05</li> <li>- Work on the structures near retaining wall #3 and the control house is ongoing, including rebar installation. 6/01-6/09/05</li> </ul>   | <ul style="list-style-type: none"> <li>- None at this time. 6/09/05</li> <li>- The excavation and work is well within the yard and areas are contained, no issues at this time. 6/09/05</li> </ul>  |

| Areas of Inspection   | Observation   | Recommended Action   |
|---|---|--|
| Erosion and Sediment Controls<br>(includes inspection within 24 hours of a storm event) | -The overflow channel was dry at the time of inspection. Although there is good grass growth along the top of the channel, the slopes are still fairly sparse. 6/09/05.   | - Continue to monitor for overall stabilization. Additional seeding should be considered in the areas where bare soil is still visible. 6/09/05  |
|   | - The flared inlet near the Rt 7 ramp is receiving obvious stormwater flows from off site roadway and on site sources. It is apparent that much of the sediment is roadway sand and much of the runoff is from the street based on presence of gullies.<br>- Vegetative growth is increasing here and will help with stabilization but the root ball of one of the evergreen plantings remains exposed due to the erosion. 5/13-6/09/05 | - Continue to monitor until stabilized as the vegetative cover is not yet uniform. Part of the sedimentation is from offsite street runoff which cannot be controlled by onsite actions. 6/09/05<br>- The area around the exposed root ball should be filled in with soil to protect the planting. The eroded area around the silt fence should be regraded/repared and the silt fence could be removed when this is complete. 6/09/05 |
|   | - The soil stockpiles remaining on site are being used as backfill adjacent to the GIS building and the topsoil is also available for future use. 6/01-6/09/05  | - All stockpiles and excavation areas are well within the site and there are no issues at this time. 6/09/05   |
| Inland Wetland and Watercourse encroachment and mitigation                              | - Silt fence has been removed from most areas along the wetland/river side of the channel as the area is stabilized. 12/16/04   | -None at this time. Continue to monitor.   |
| State species of concern, threatened and endangered species                             | - No species of concern are located in this area of construction.   | - N/A  |
| Vegetative clearing limits (including trees to save or danger trees noted)              | -Many of the tree plantings are leafing out and appear to be doing well. The channel is dry at this time and aquatic plantings may be stressed. Some bare areas of soil along the slopes may need reseeding. 6/09/05  | - A survey could be performed to see whether any of the plantings did not survive the winter for replacement purposes but this does not seem to be a problem. 6/09/04  |
| Dewatering  | - No dewatering was noted at this time. 6/09/05   | -None at this time. 6/09/05  |

| Areas of Inspection         | Observation   | Recommended Action   |
|-----------------------------|---|--|
|                             |   |  |
| Blasting                    | - No blasting is occurring on site at this time and it is not anticipated to be necessary.  | - None at this time.   |
| Spills and Material Storage | <p>- The crane has been located in a stationary position for several weeks. Absorbent pads were removed at the time of the inspection but a drip was still present. The soil should be picked up and pads replaced. A mechanic should evaluate the equipment. 6/09/05</p> <p>- The areas noted last week had been cleaned up and the soil was removed. The only other spot noted was a possible fuel overspill on a (people) lift 6/09/05</p> | <p>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area.</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. -</p> <p>- Check equipment status on a regular basis.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p> |
| Additional Observations     | - Work for the 115kV line has started to the north of the substation fence. Active trenching and conduit installation has begun in the existing ROW here. Silt fence is well in place. 6/09/05  | - None at this time.   |

**Next likely scheduled inspection:**

Wednesday, June 15, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:**

Diana Walden

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**Date:** June 9, 2005

**Inspector:** Diana Walden

**Location:** Plumtree Substation Expansion , Bethel

**Storm/**

**Rain Event** The areas received isolated storms throughout the week since the last inspection with 0.44" on 6/6 as the most in any one storm as reported by NOAA.

| Areas of Inspection   | Observation  | Recommended Action  |
|---|--|---|
| Access Roads  | - No new access roads have been constructed at this time 6/09/05   | - None at this time.  |
| Foundation construction   | -The remaining work is mostly electrical, connecting and circuiting the new equipment. 6/09/05<br>- The trenches have remained open but underground cable pulls are complete for the most part. Active pulls are finishing up near the control house. No soil movement is involved and the concrete trench lids will be closed soon. 6/09/05 | - The areas are all contained at this time and there is little ongoing work that involves soil disturbance. 4/6-6/09/05 |
| Erosion and Sediment Controls<br>(includes inspection within 24 hours of a storm event) | - The working areas of the site are fairly dry and the perimeter stone berm continues to work well. 6/09/05  | -Nothing at this time. 6/09/05  |

| Areas of Inspection  | Observation   | Recommended Action   |
|--|---|--|
|  | - There is no silt fence in place at this time, however the stone perimeter berm is in place and contains the yard well. 6/09/05  | -All stockpiles are well-contained and the berm is working effectively at this time. 6/09/05   |
|  | - A majority of the soil has been removed to appropriate off-site locations but some will remain on an as needed basis for the remainder of construction. Portions are not covered in plastic but are well within the site. 3/2-6/09/05 | -Continue to monitor status and cover stockpiles with plastic if necessary. 3/2-6/09/05  |
| Inland Wetland and Watercourse encroachment and mitigation                 | - Wetlands are located around the outskirts of the substation yard. The work within the substation yard has caused no observed sedimentation. 6/09/05   | - The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 6/09/05  |
| State species of concern, threatened and endangered species                | - The morning of the inspection, we noted turtle tracks up the side of a soft sand pile in the yard. One area appeared that a nest had been prepared however we did not confirm the presence of eggs. 6/09/05                           | - The pile was encircled with safety/snow fence and will not be moved for several months in the chance eggs are incubating here. 6/09/05<br>- Everyone at the substation also remains aware and will move machinery carefully in case the individual turtle returns. |
| Vegetative clearing limits (including trees to save or danger trees noted) | - No vegetation outside of the substation yard will need to be cleared during the expansion work.   | - N/A  |
| Dewatering   | - Minor dewatering continues at this time from the manhole where the cable pull is occurring. As usual, water is directed to the stone yard. 5/26-6/09/05   | - None at this time.   |

| Areas of Inspection         | Observation  | Recommended Action  |
|-----------------------------|--|---|
| Blasting                    | - No blasting is occurring on site at this time.   | - None at this time.  |
| Spills and Material Storage | - No drips or leaks were noted on site at this time and the spot noticed last week was cleaned up. 6/09/05 | <ul style="list-style-type: none"> <li>- The contractors should remain vigilant about securing and handling fuel containers.</li> <li>- Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.</li> <li>- Report spills to the office immediately, even if they are being controlled.</li> </ul> |
| Additional Observations     |  |   |

**Next likely scheduled inspection:**

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**Inspector's Signature:**

Diana Walden



Norwalk Substation- Structure work continues in front of the GIS building. 6/9/05



Overall view of the stone/concrete and foundation work adjacent to the GIS building. 6/9/05





A small drip from the crane was noted again but absorbent pads were not in place at the time.  
6/9/05



View of the 115kV work leading from the Norwalk substation in the existing right-of-way. 6/9/05





Plumtree Substation: Turtle tracks were noted along the sand pile remaining in the yard. It is likely that the wood turtle made a nest here. The pile was surrounded by safety/snow fence and will not be removed. 6/9/05



Cable pulling is complete in most areas and trenches will be covered in the future. 6/9/05